Sentiment Analysis on Movie Reviews

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GitHub link:

https://github.com/Manideepcharugundla/NLP-PROJECT

Introduction:

In this present people share their views on sites. Depending upon feedback of the users, we get the overview or quality of product. People depend upon these feedback or reviews to buy the product or watch the movie. The amount of data is very huge it is difficult to analysis for human manually. We can analysis the data using sentimental analysis. It is divided into two types; one is knowledge based and machine learning approach.

Goals and objectives

Motivation:

People generally see the reviews before watching any movie, it plays major for person to watch movie. There are different reviews on different sites, it is difficult for a person to make a decision whether to watch or not because there are positive and negative reviews on it. For a human it is impossible to make decision. To overcome this problem, we have can sentimental analysis on the movie reviews, it makes the decision easily. People share their thoughts or opinions on social media through comments, posts, tags. We can use the machine learning algorithms to analyze the data. There are different algorithms like navies bayes, SVM. For example, consider social network sites like Instagram, YouTube, fb these sites have huge users base by this there will be huge traffic on the sites and these sites have to manage the data of different users coming across the world.

In knowledge-based analysis it mainly depends upon the emotions which require huge dataset which shows the different opinions. The other technique is machine learning approach which make use of training set, it is easier than knowledge based. In this we will having the positive or negative words.

Sentimental analysis is used compare the customer and user depending upon the point of view on movie with the feedback of users. One can easily identify the product is good or not by reviewing the comments or feedback. The major steps in sentimental analysis are preprocessing, extraction, selection and model.

Significance:

Sentimental analysis is commonly as opinion mining which handles with opinions and emotion from text. It is done by using NLP i.e., natural language processing, text and computational analysis. There is huge development of web technology by this we will getting the huge data from the sites.

Objectives:

1. Preliminary sentiment on Reviews
2. Nltk
3. Machine Learning Algorithm
4. Visualization

Features:

There are different approaches which helps in words into numerical.

Bag of words: Consider an example, there is dataset consists of all unique words in it. We count all unique words which are repeat in that dataset. Which shows the data in vector representation of text.

Word2vec: Word2vec (Word to Vector) is a two-layer neural net that measures text. Its feedback is a text corpus and its yield is a bunch of vectors: include vectors for words in that corpus. The 50-D space can be pictured by using classical strategies to decrease the vectors to two-dimensional information that can be plotted.

References

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